

NewsChannel.java

```
import java.util.ArrayList;
```

```
import java.util.List;
```

```
public class NewsChannel {
```

```
    private List<Subscriber> subscribers = new ArrayList<>();
```

```
    private String news;
```

```
    public void subscribe(Subscriber subscriber) {
```

```
        subscribers.add(subscriber);
```

```
    }
```

```
    public void unsubscribe(Subscriber subscriber) {
```

```
        subscribers.remove(subscriber);
```

```
    }
```

```
    public void notifySubscribers() {
```

```
        for (Subscriber subscriber : subscribers) {
```

```
            subscriber.update(news);
```

```
        }
```

```
    }
```

```
    public void setNews(String news) {
```

```
        this.news = news;
```

```
        notifySubscribers();
```

```
    }
```

```
}
```

```
...
```

****Subscriber.java****

```
```java
```

```
public interface Subscriber {
```

```
 void update(String news);
 }
 ...
```

**\*\*User.java\*\***

```
public class User implements Subscriber {

 private String name;

 public User(String name) {

 this.name = name;

 }

 @Override

 public void update(String news) {

 System.out.println(name + " received news: " + news);

 }
}
...
```

**\*\*Main.java\*\***

```
public class Main {

 public static void main(String[] args) {

 NewsChannel newsChannel = new NewsChannel();

 User user1 = new User("Alice");

 User user2 = new User("Bob");

 newsChannel.subscribe(user1);

 newsChannel.subscribe(user2);

 newsChannel.setNews("Breaking News: New Observer Pattern Implemented!");

 newsChannel.unsubscribe(user1);

 newsChannel.setNews("More News: Observer Pattern Demonstration Continues!");

 }
}
```

}

}